

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061781.D
 Acq On : 12 Apr 2019 16:32
 Operator : VA/AP
 Sample : K2200-01
 Misc : 6.34g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-040919-A

Quant Time: Apr 12 17:22:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

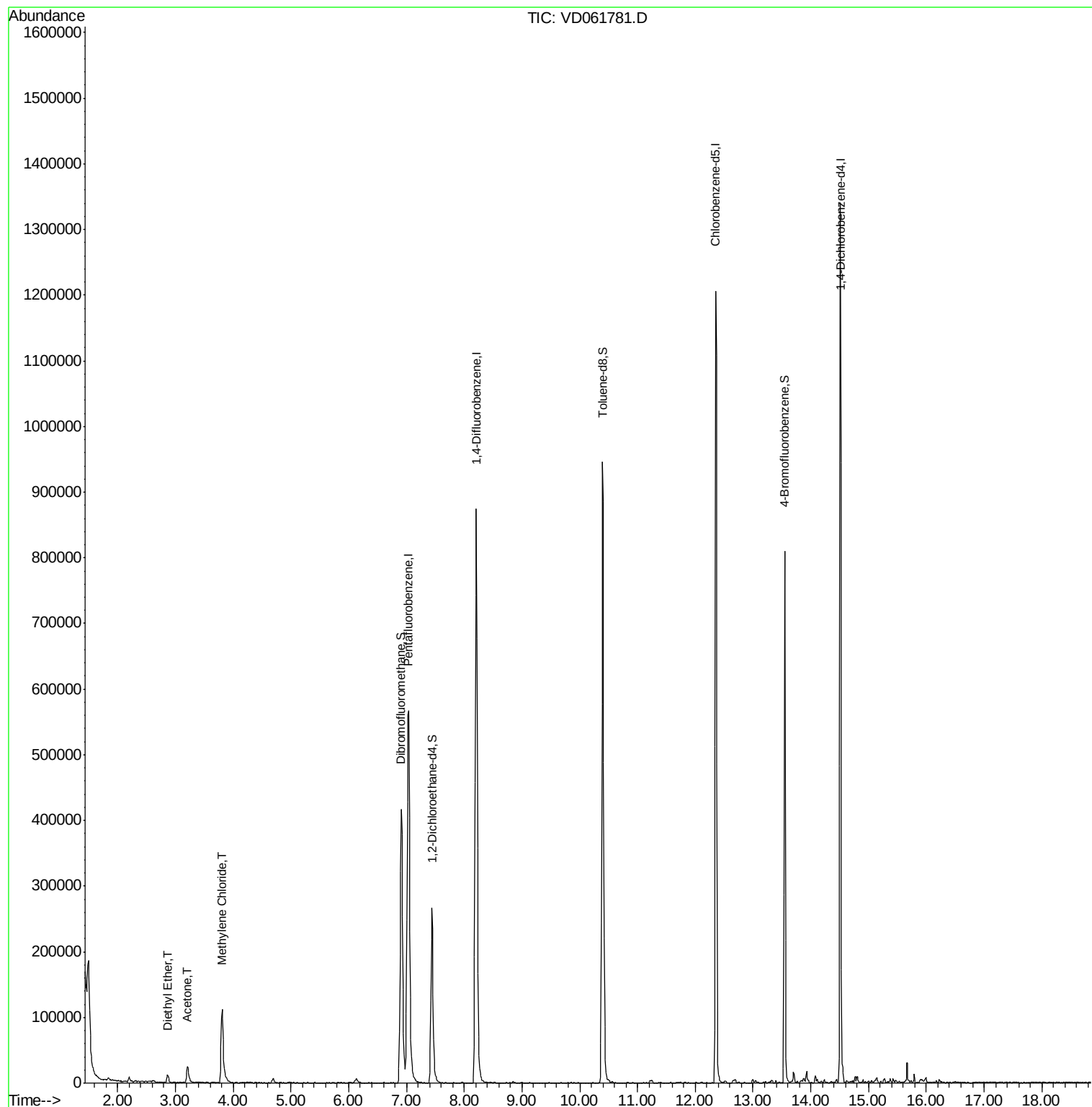
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	602312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1041470	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	776493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	315085	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	269501	59.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.06%	
35) Dibromofluoromethane	6.91	113	389806	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
50) Toluene-d8	10.40	98	814020	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	
62) 4-Bromofluorobenzene	13.55	95	277632	42.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.32%	
Target Compounds						
8) Diethyl Ether	2.87	74	5618	2.702	ug/l	79
16) Acetone	3.21	43	47091	34.505	ug/l	99
20) Methylene Chloride	3.81	84	85137	10.993	ug/l	94

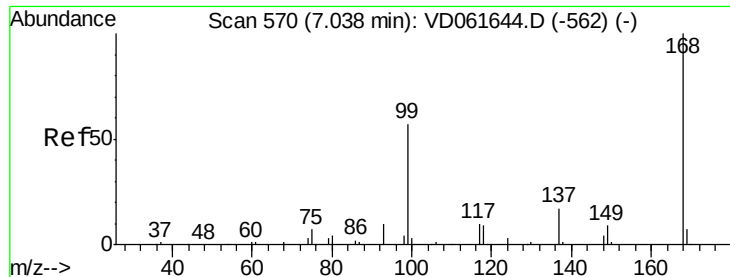
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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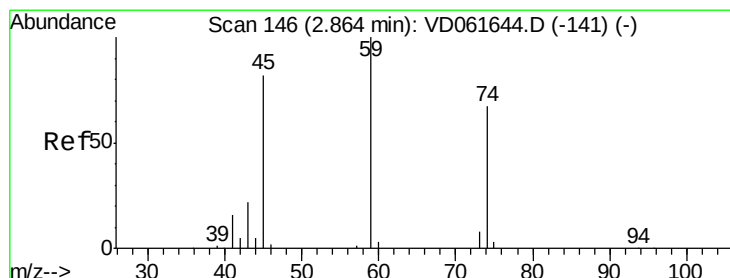
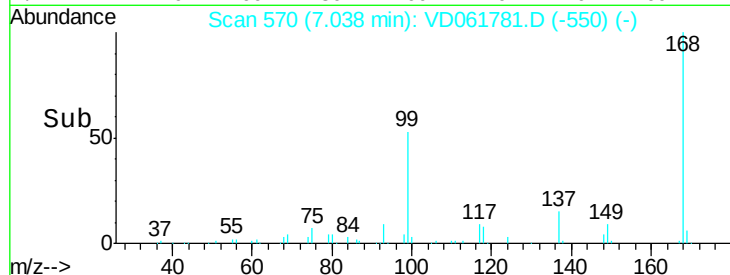
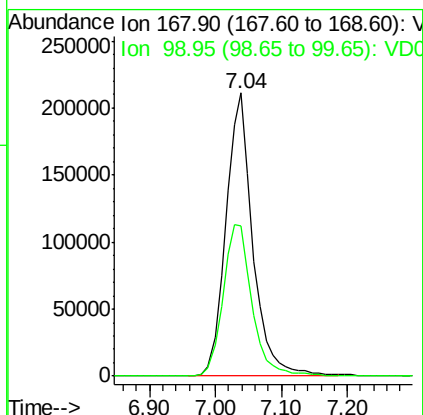
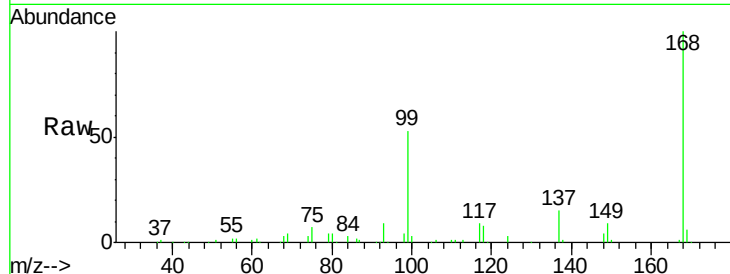




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD061781.D
Acq: 12 Apr 2019 16:32

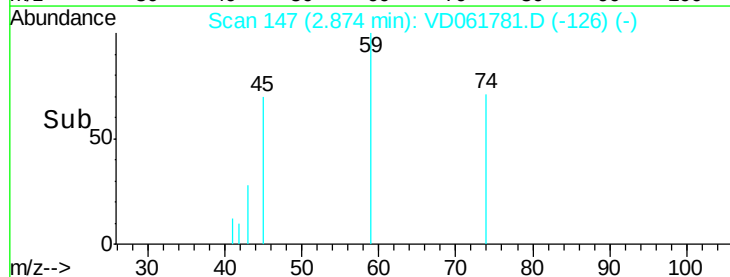
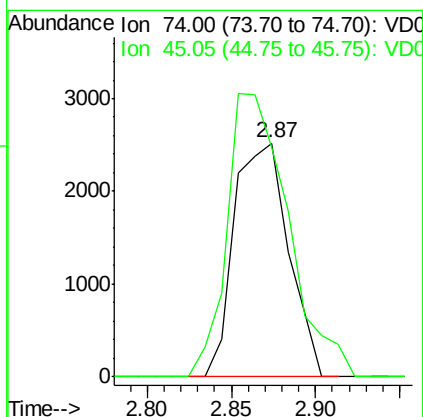
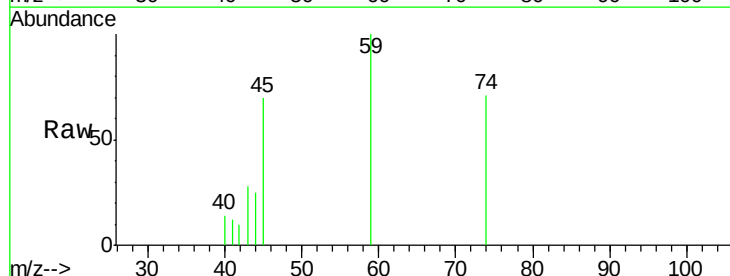
Instrument :
MSVOA_D
ClientSampleId :
EO-01-040919-A

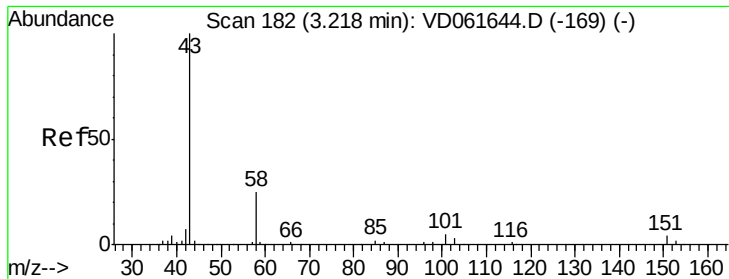
Tot Ion:168 Resp: 602312
Ion Ratio Lower Upper
168 100
99 53.1 46.8 70.2



#8
Diethyl Ether
Concen: 2.702 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061781.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 74 Resp: 5618
Ion Ratio Lower Upper
74 100
45 98.2 61.0 183.0





#16

Acetone

Concen: 34.505 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

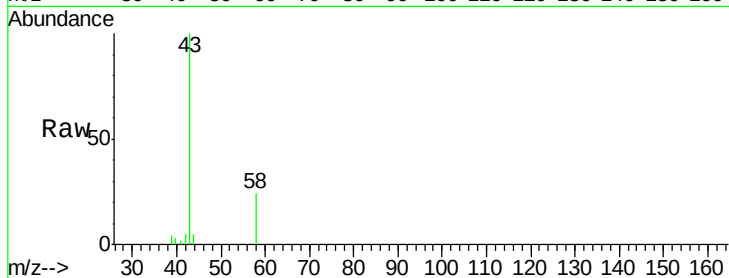
EO-01-040919-A

Tot Ion: 43 Resp: 47091

Ion Ratio Lower Upper

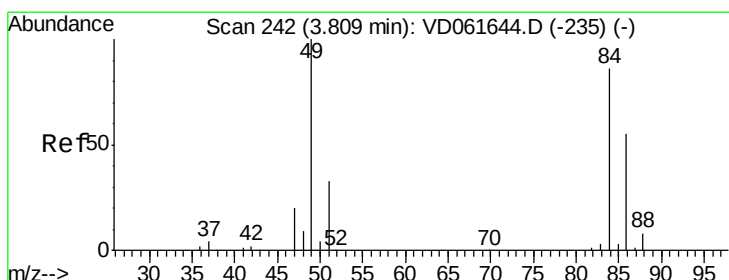
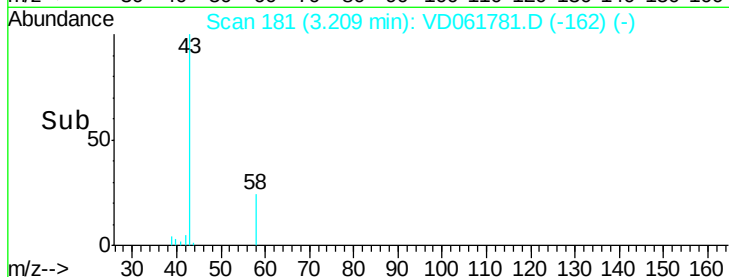
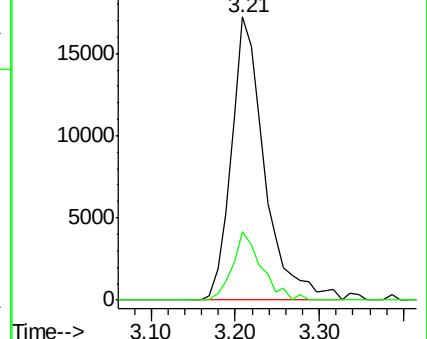
43 100

58 24.0 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 10.993 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Tgt Ion: 84 Resp: 85137

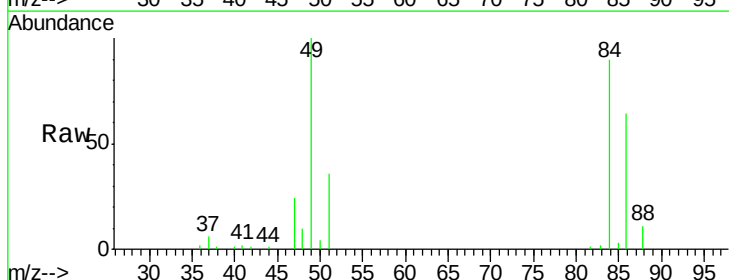
Ion Ratio Lower Upper

84 100

49 110.9 93.0 139.4

51 39.8 30.4 45.6

86 71.1 51.0 76.4

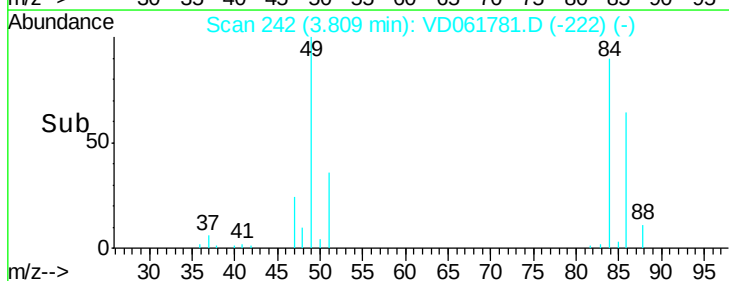
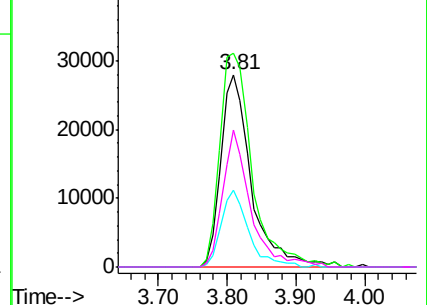


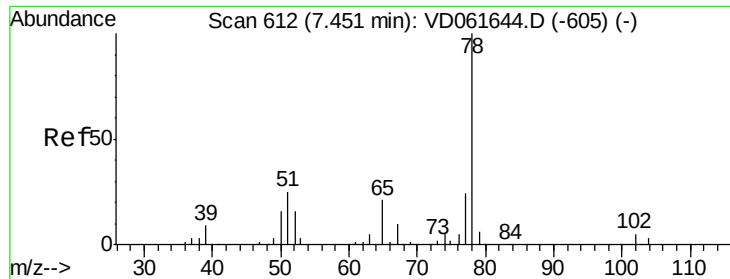
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

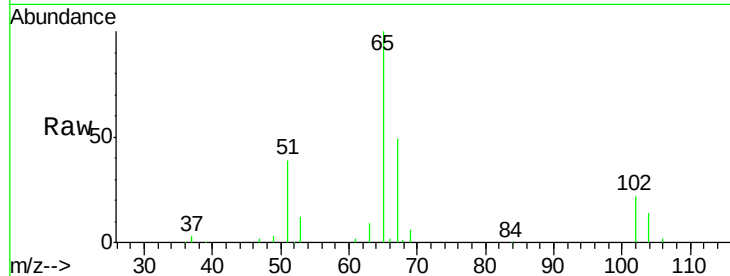
EO-01-040919-A

Tot Ion: 65 Resp: 269501

Ion Ratio Lower Upper

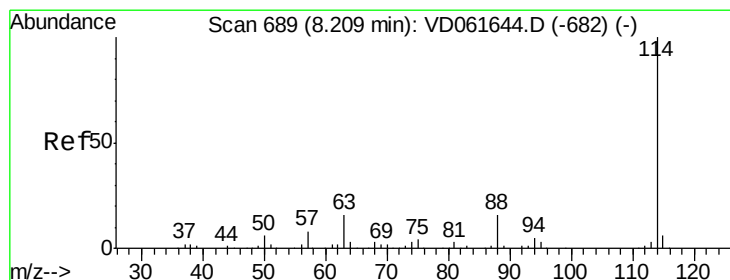
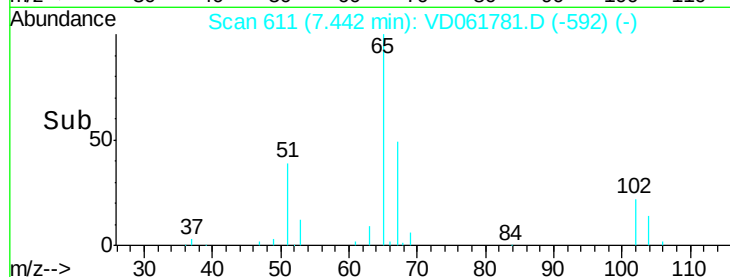
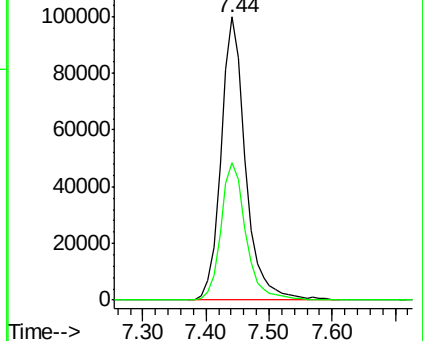
65 100

67 48.5 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

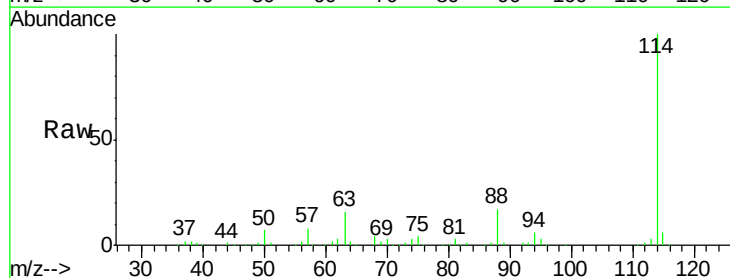
Tgt Ion: 114 Resp: 1041470

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.2

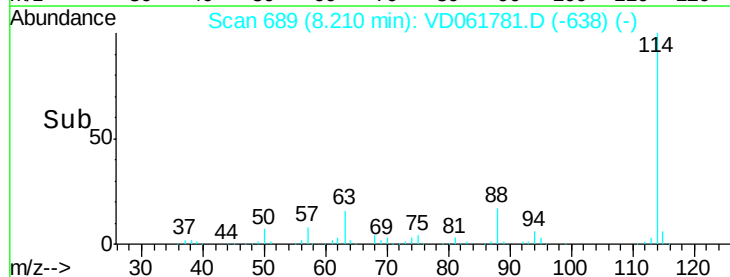
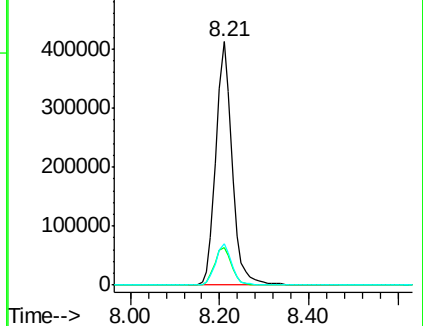
88 17.1 0.0 31.8

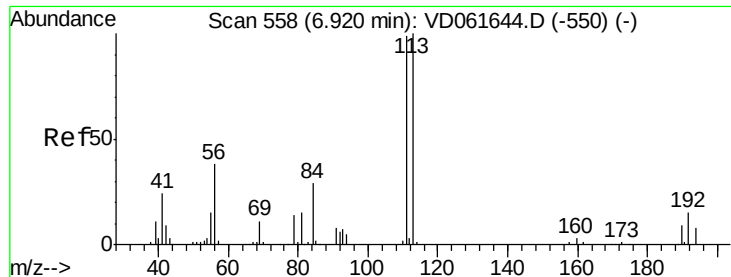


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

EO-01-040919-A

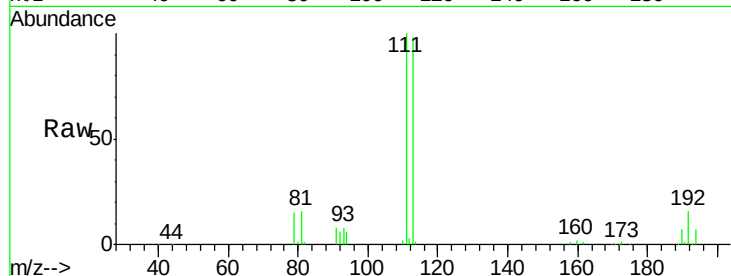
Tot Ion:113 Resp: 389806

Ion Ratio Lower Upper

113 100

111 101.9 79.3 118.9

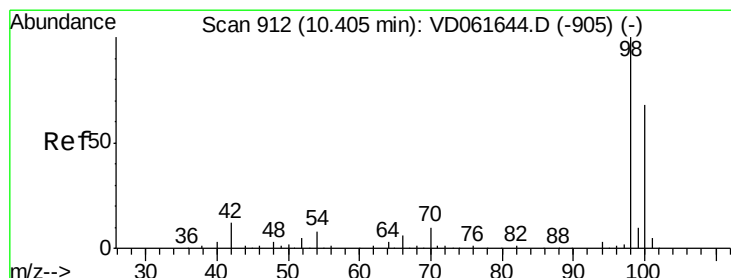
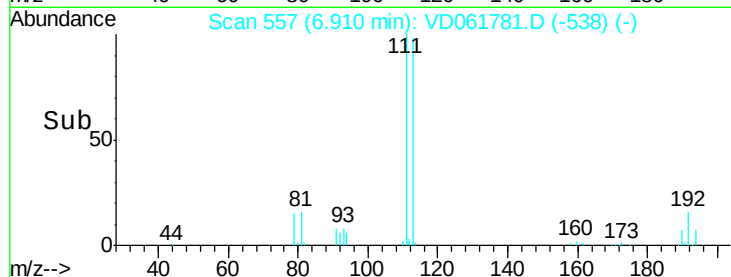
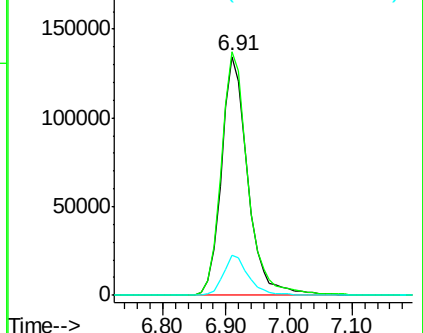
192 16.7 12.3 18.5



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD061781.D

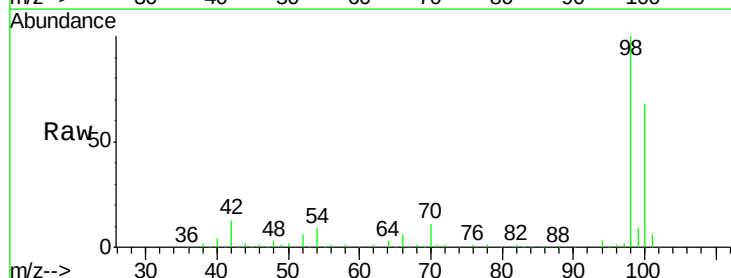
Acq: 12 Apr 2019 16:32

Tgt Ion: 98 Resp: 814020

Ion Ratio Lower Upper

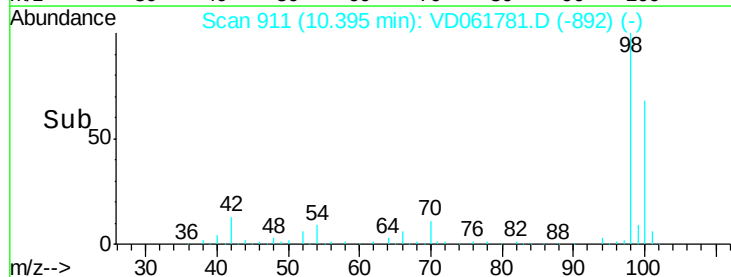
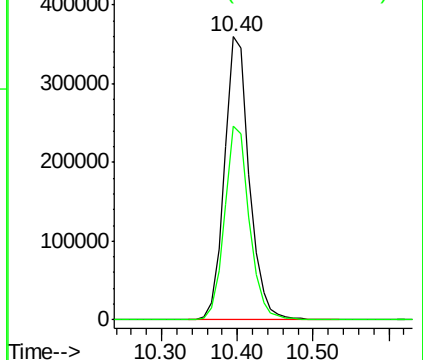
98 100

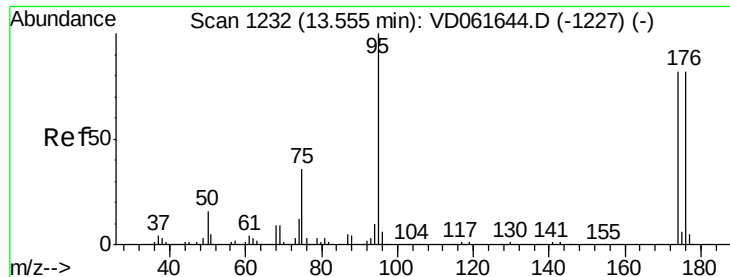
100 68.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

EO-01-040919-A

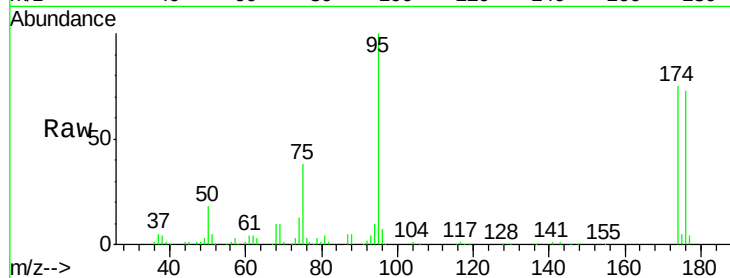
Tot Ion: 95 Resp: 277632

Ion Ratio Lower Upper

95 100

174 74.7 0.0 164.6

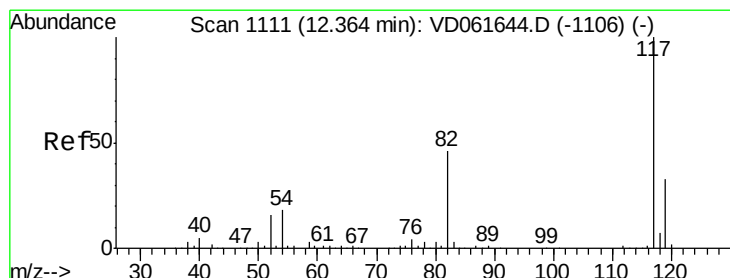
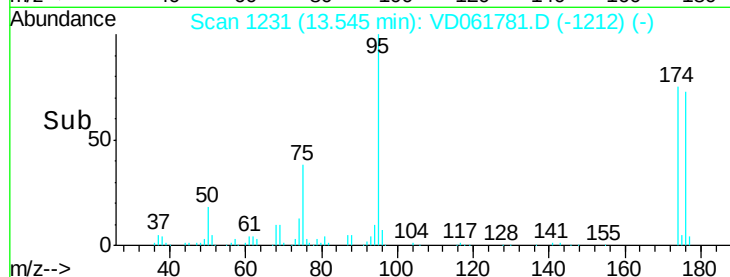
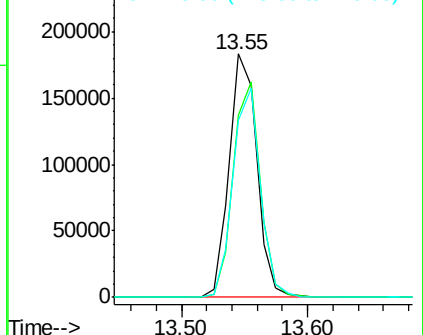
176 72.7 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

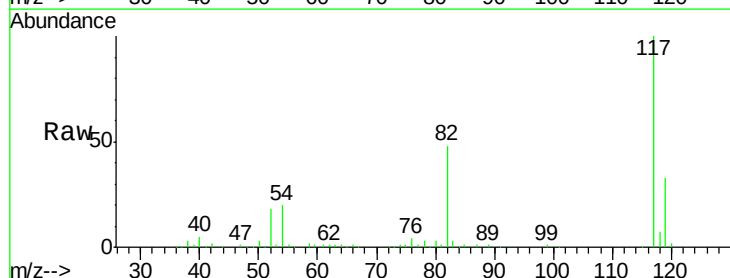
Tgt Ion: 117 Resp: 776493

Ion Ratio Lower Upper

117 100

82 48.0 36.8 55.2

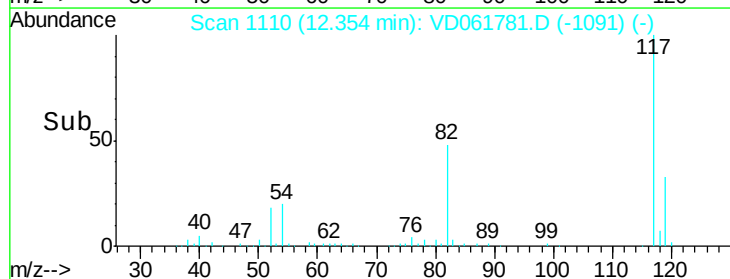
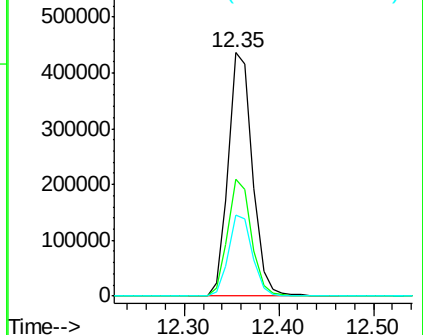
119 33.2 26.1 39.1

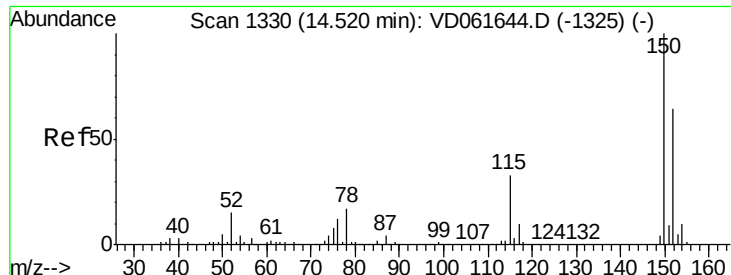


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

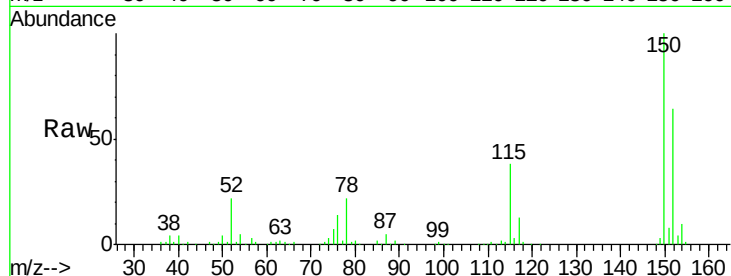




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061781.D
 Acq: 12 Apr 2019 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-040919-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	26.4	79.2
150	157.1	0.0	320.6



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

